

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 1/29/2014

Control	0845-03-056, ETC.
Project	STP 2014(357)
Highway	FM 922
County	COOKE

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: STP 2014(357)

CONTROL: 0845-03-056

COUNTY: COOKE

LETTING: 02/04/2014

REFERENCE NO: 0129

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 1-10 through 10-10)

_ GENERAL NOTES (SH. NO.:)

X SPEC LIST (SH. NO.: 1-3, 2-3, 3-3)

X SPECIAL PROVISIONS:

ADDED: 450---001

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

_ OTHER:

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

Changes below to add bridge rail upgrade to several structures.

Proposal sheet Form 234-BI-61-5M:

Replace sheets 1-9 through 9-9 with sheets 1-10 through 10-10

Spec List:

Replace sheets 1-3 through 3-3.

Plan sheets:

Replace sheets 2,10,11,12,53,59,63,66,67,71,74,75.

Add sheets 85A,87A,87B,87C,87D,87E,87F,87G,87H

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW DOLLARS CENTS and	STA	11.000	1
	110	2001		EXCAVATION (ROADWAY) DOLLARS CENTS and	CY	13,370.000	2
	132	2006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS CENTS and	CY	18,581.000	3
	164	2009	002	BROADCAST SEED (TEMP) (WARM) DOLLARS CENTS and	SY	72,546.000	4
	164	2011	002	BROADCAST SEED (TEMP) (COOL) DOLLARS CENTS and	SY	72,546.000	5
	164	2035	002	DRILL SEEDING (PERM) (RURAL) (CLAY) DOLLARS CENTS and	SY	145,092.000	6
	168	2001		VEGETATIVE WATERING DOLLARS CENTS and	MG	1,423.800	7
	275	2001	003	CEMENT DOLLARS CENTS and	TON	653.000	8
	275	2010	003	CEMENT TREAT (SUBGRADE) (8") DOLLARS CENTS and	SY	72,551.000	9
	351	2004		FLEXIBLE PAVEMENT STRUCTURE REPAIR(8") DOLLARS CENTS and	SY	500.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	354	2002		PLAN & TEXT ASPH CONC PAV(0" TO 2") DOLLARS and CENTS	SY	2,184.000	11
	430	2017		CL C CONC FOR EXT STRU (CULV)(6'X 5') DOLLARS and CENTS	LF	4.000	12
	430	2057		CL C CONC FOR EXT STRUC (CULV)(4'X4') DOLLARS and CENTS	LF	18.000	13
	430	2119		CL C CONC FOR EXT STRU (CULV)(8'X 7') DOLLARS and CENTS	LF	34.000	14
	430	2162		CL C CONC FOR EXT STR (CULV)(9'X 7') DOLLARS and CENTS	LF	30.000	15
	432	2018		RIPRAP (STONE COMMON)(GROUT)(8 IN) DOLLARS and CENTS	CY	75.000	16
	450	2642	001	RAIL (T131RC)(RETROFIT) DOLLARS and CENTS	LF	478.000	17
	452	2002		REMOV RAIL (METAL ELEMENTS) DOLLARS and CENTS	LF	368.000	18
	452	2006		REMOV RAIL (TY T1) DOLLARS and CENTS	LF	110.000	19
	460	2003		CMP (GAL STL 18 IN) DOLLARS and CENTS	LF	28.000	20
	460	2004		CMP (GAL STL 24 IN) DOLLARS and CENTS	LF	8.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	460	2005		CMP (GAL STL 30 IN) DOLLARS and CENTS	LF	10.000	22
	460	2007		CMP (GAL STL 36 IN) DOLLARS and CENTS	LF	72.000	23
	460	2009		CMP (GAL STL 48 IN) DOLLARS and CENTS	LF	14.000	24
	464	2003	006	RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	12.000	25
	464	2005	006	RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	96.000	26
	464	2007	006	RC PIPE (CL III)(30 IN) DOLLARS and CENTS	LF	6.000	27
	464	2009	006	RC PIPE (CL III)(36 IN) DOLLARS and CENTS	LF	60.000	28
	466	2038		WINGWALL (FW-S)(HW=8 FT) DOLLARS and CENTS	EA	4.000	29
	466	2049		WINGWALL (PW)(HW=5 FT) DOLLARS and CENTS	EA	1.000	30
	466	2065		HEADWALL (CH-FW-0)(DIA= 24 IN) DOLLARS and CENTS	EA	1.000	31
	466	2125		HEADWALL (CH-PW-0)(DIA= 24 IN) DOLLARS and CENTS	EA	5.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	466	2127		HEADWALL (CH-PW-0)(DIA= 30 IN) DOLLARS and CENTS	EA	1.000	33
	466	2129		HEADWALL (CH-PW-0)(DIA= 36 IN) DOLLARS and CENTS	EA	3.000	34
	466	2130		HEADWALL (CH-PW-0)(DIA= 42 IN) DOLLARS and CENTS	EA	2.000	35
	466	2131		HEADWALL (CH-PW-0)(DIA= 48 IN) DOLLARS and CENTS	EA	2.000	36
	466	2288		WINGWALL (PW)(HW=8.5 FT) DOLLARS and CENTS	EA	1.000	37
	466	2289		WINGWALL (PW)(HW=9.5 FT) DOLLARS and CENTS	EA	1.000	38
	467	2211		SET (TY II)(24 IN)(RCP)(3:1)(C) DOLLARS and CENTS	EA	1.000	39
	467	2215		SET (TY II)(36 IN)(RCP)(3:1)(C) DOLLARS and CENTS	EA	3.000	40
	467	2222		SET (TY II)(18 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	2.000	41
	467	2224		SET (TY II)(24 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	10.000	42
	467	2227		SET (TY II)(36 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	7.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	467	2249		SET (TY II)(24 IN)(CMP)(3:1)(C) and DOLLARS CENTS	EA	1.000	44
	467	2251		SET (TY II)(30 IN)(CMP)(3:1)(C) and DOLLARS CENTS	EA	1.000	45
	467	2288		SET (TY II)(24 IN)(RCP)(6:1)(P) and DOLLARS CENTS	EA	3.000	46
	467	2292		SET (TY II)(36 IN)(RCP)(6:1)(P) and DOLLARS CENTS	EA	2.000	47
	467	2301		SET (TY II)(18 IN)(CMP)(6:1)(P) and DOLLARS CENTS	EA	1.000	48
	467	2303		SET (TY II)(24 IN)(CMP)(6:1)(P) and DOLLARS CENTS	EA	2.000	49
	467	2305		SET (TY II)(30 IN)(CMP)(6:1)(P) and DOLLARS CENTS	EA	1.000	50
	480	2002		CLEAN EXIST CULVS and DOLLARS CENTS	CY	37.000	51
	496	2005		REMOV STR (WINGWALL) and DOLLARS CENTS	EA	7.000	52
	496	2006		REMOV STR (HEADWALL) and DOLLARS CENTS	EA	2.000	53
	496	2007		REMOV STR (PIPE) and DOLLARS CENTS	LF	173.000	54

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	2008		REMOV STR (BOX CULVERT) DOLLARS and CENTS	LF	14.000	55
	500	2001	011	MOBILIZATION DOLLARS and CENTS	LS	1.000	56
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	13.000	57
	530	2010	006	DRIVEWAYS (CONC) DOLLARS and CENTS	SY	30.000	58
	530	2011	006	DRIVEWAYS (ACP) DOLLARS and CENTS	SY	1,242.000	59
	530	2017	006	TURNOUTS (ACP) DOLLARS and CENTS	SY	520.000	60
	530	2075	006	DRIVEWAYS (GRAVEL) DOLLARS and CENTS	SY	4,629.000	61
	540	2001	031	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	3,225.000	62
	540	2011	031	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	20.000	63
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	3,225.000	64

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	542	2002		REMOVING TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	26.000	65
	544	2004		GDRAIL END TRT(INST)(WOOD POST)(TY I) DOLLARS and CENTS	EA	26.000	66
	560	2007	001	MAILBOX INSTALL-D (TWW-POST)TY 4 FND- TB DOLLARS and CENTS	EA	3.000	67
	560	2008	001	MAILBOX INSTALL-M (TWW-POST)TY 4 FND- TB DOLLARS and CENTS	EA	3.000	68
	560	2015	001	MAILBOX INSTALL-S(TWW-POST)TY 4 FND- TB DOLLARS and CENTS	EA	23.000	69
	644	2004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	3.000	70
	644	2056		RELOCATE SM RD SN SUP & AM TY 10BWG DOLLARS and CENTS	EA	17.000	71
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	2.000	72
	644	2059		RELOCATE SM RD SN SUP & AM TY TWT DOLLARS and CENTS	EA	77.000	73
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	5.000	74

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	644	2081		IN SM RD SN SUP&AM TYTWT(1)WS(P) DOLLARS and CENTS	EA	8.000	75
	644	2082		IN SM RD SN SUP&AM TYTWT(1)WS(T) DOLLARS and CENTS	EA	2.000	76
	658	2261		INSTL DEL ASSM (D-SW)SZ (TYC)GF1(BI) DOLLARS and CENTS	EA	36.000	77
	658	2330		INSTL DEL ASSM (D-SW)SZ 1(FLX)GND(BI) DOLLARS and CENTS	EA	198.000	78
	658	2337		INSTL OM ASSM (OM-2Z)(FLX)GND(BI) DOLLARS and CENTS	EA	55.000	79
	662	2114		WK ZN PAV MRK SHT TERM (TAB) TY Y DOLLARS and CENTS	EA	6,844.000	80
	666	2012		REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	130,586.000	81
	666	2105		REFL PAV MRK TY I (Y) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	6,500.000	82
	666	2111		REFL PAV MRK TY I (Y) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	97,890.000	83
	666	2178		REF PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	130,586.000	84
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	1,550.000	85

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	677	2001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	104,390.000	86
	1122	2001	001	ROCK FILTER DAMS (INSTALL) (TY 1) DOLLARS and CENTS	LF	700.000	87
	1122	2009	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	700.000	88
	1122	2037	001	TEMPORARY SEDIMENT CONTROL FENCE INSTLL DOLLARS and CENTS	LF	9,725.000	89
	1122	2047	001	BIOGRD EROSN CONT LOGS (8" DIA) INSTALL DOLLARS and CENTS	LF	2,520.000	90
	1122	2056	001	BIODEGRADBLE EROSION CONTROL LOGS REMOV DOLLARS and CENTS	LF	2,520.000	91
	1122	2057	001	TEMPORARY SEDIMENT CONTROL FENCE REMOVE DOLLARS and CENTS	LF	9,725.000	92
	3268	2008		D-GR HMA TY-B PG64-22 DOLLARS and CENTS	TON	17,956.000	93
	3268	2040		D-GR HMA TY-D PG64-22 DOLLARS and CENTS	TON	22,070.000	94

PROJECT STP 2014(357)
COUNTY COOKE

PROPOSAL SHEET
TxDOT
FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6834	2002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	2.000	95

CONTROL : 0845-03-056, ETC
PROJECT : STP 2014(357)
HIGHWAY : FM 922
COUNTY : COOKE

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT
ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF
----- TRANSPORTATION JUNE 1, 2004.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 100 PREPARING RIGHT OF WAY (103)
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(204)(210)(216)(400)
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 168 VEGETATIVE WATERING
ITEM 275 CEMENT TREATMENT (ROAD-MIXED) (132)(204)(210)(216)(247)
(300)(310)(520)
ITEM 351 FLEXIBLE PAVEMENT STRUCTURE REPAIR (132)(204)(247)(260)
(263)(275)(276)(292)(310)(316)(330)(334)(340)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 430 EXTENDING CONCRETE STRUCTURES (420)(421)(440)
ITEM 432 RIPRAP (420)(421)(427)(440)
ITEM 450 RAILING (441)(442)(445)(448)
ITEM 452 REMOVING RAILING (420)
ITEM 460 CORRUGATED METAL PIPE (400)(445)
ITEM 464 REINFORCED CONCRETE PIPE (400)
ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(430)(440)(464)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)
(460)(464)
ITEM 480 CLEANING EXISTING CULVERTS
ITEM 496 REMOVING STRUCTURES (430)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(260)(263)
(275)(276)(292)(316)(330)(334)(360)(421)(440)(3268)
ITEM 540 METAL BEAM GUARD FENCE (421)(445)(529)(542)(544)
ITEM 542 REMOVING METAL BEAM GUARD FENCE
ITEM 544 GUARDRAIL END TREATMENTS
ITEM 560 MAILBOX ASSEMBLIES

ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)
 (441)(442)(445)(634)(636)(643)(656)
 ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
 ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
 ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)
 ITEM 672 RAISED PAVEMENT MARKERS (677)(678)
 ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)
 (302)(316)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
 ----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
 HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
 (FORM FHWA 1273, MAY, 2012)

WAGE RATES

SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000--003)
 SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
 ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000--004)
 SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
 CONSTRUCTION CONTRACT SPECIFICATIONS" (000--006)
 SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
 (000--009)
 SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
 (000--011)
 SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
 REQUIRED PAYROLL INFORMATION" (000--1483)
 SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--2638)
 SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
 CONTRACTS" (000--1966)
 SPECIAL PROVISION "PARTNERING" (000--2329)
 SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)
 SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)
 SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2839)
 SPECIAL PROVISION TO ITEM 1 (001--015)
 SPECIAL PROVISION TO ITEM 2 (002--017)
 SPECIAL PROVISION TO ITEM 3 (003--033)
 SPECIAL PROVISION TO ITEM 4 (004--017)
 SPECIAL PROVISION TO ITEM 5 (005--004)
 SPECIAL PROVISIONS TO ITEM 6 (006--030)(006--047)
 SPECIAL PROVISION TO ITEM 7 (007--918)
 SPECIAL PROVISIONS TO ITEM 8 (008--006)(008--119)
 SPECIAL PROVISIONS TO ITEM 9 (009--009)(009--015)
 SPECIAL PROVISION TO ITEM 100 (100--002)
 SPECIAL PROVISION TO ITEM 161 (161--006)
 SPECIAL PROVISION TO ITEM 164 (164--002)
 SPECIAL PROVISION TO ITEM 166 (166--001)
 SPECIAL PROVISION TO ITEM 247 (247--033)
 SPECIAL PROVISION TO ITEM 260 (260--003)
 SPECIAL PROVISION TO ITEM 275 (275--003)
 SPECIAL PROVISION TO ITEM 300 (300--039)
 SPECIAL PROVISION TO ITEM 316 (316--016)

SPECIAL PROVISION TO ITEM 318 (318---010)
 SPECIAL PROVISION TO ITEM 330 (330---001)
 SPECIAL PROVISION TO ITEM 360 (360---003)
 SPECIAL PROVISION TO ITEM 420 (420---002)
 SPECIAL PROVISION TO ITEM 421 (421---035)
 SPECIAL PROVISION TO ITEM 440 (440---006)
 SPECIAL PROVISION TO ITEM 441 (441---008)
 SPECIAL PROVISION TO ITEM 442 (442---016)
 SPECIAL PROVISION TO ITEM 450 (450---001)
 SPECIAL PROVISION TO ITEM 464 (464---006)
 SPECIAL PROVISION TO ITEM 500 (500---011)
 SPECIAL PROVISION TO ITEM 502 (502---033)
 SPECIAL PROVISION TO ITEM 530 (530---006)
 SPECIAL PROVISION TO ITEM 540 (540---031)
 SPECIAL PROVISION TO ITEM 560 (560---001)
 SPECIAL PROVISION TO ITEM 636 (636---014)
 SPECIAL PROVISION TO ITEM 643 (643---001)
 SPECIAL PROVISION TO ITEM 672 (672---034)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)

SPECIAL SPECIFICATIONS:

ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL
 CONTROLS (161)(432)(556)
 ITEM 3268 DENSE-GRADED HOT-MIX ASPHALT (210)(300)(301)(320)(520)
 (585)
 ITEM 6834 PORTABLE CHANGEABLE MESSAGE SIGN

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
 ----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER
 PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-
 LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
 PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-
 CATIONS FOR THIS PROJECT.

SPECIAL PROVISION

450---001

Railing

For this project, Item 450, "Railing," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 450.2. Materials is supplemented with the following:

Where epoxy anchors are allowed or required, provide an approved Type III, Class C epoxy in accordance with DMS-6100, "Epoxyes and Adhesives," for installing drilled and epoxied rail anchorage reinforcement or rail anchor bolts. Use other materials if shown in the plans. Provide only dual cartridge epoxy systems mixed with a static mixing nozzle supplied by the epoxy adhesive manufacturer and dispensed with a tool supplied by the epoxy adhesive manufacturer. Do not use bulk epoxyes. Drill and install anchorage reinforcement or anchor bolts to the embedment depth shown in the plans or the depth recommended by the manufacturer, whichever is deeper. No additional payment will be made for providing embedment deeper than shown in the plans. If no resistance or embedment depth is specified in the plans, select an embedment depth capable of developing the yield strength of the steel anchor.

Article 450.3. Construction, Section B. Concrete Railing. The last paragraph is voided and replaced by the following:

Obtain approval to slipform railing. Slipforming equipment must be approved. Do not slipform railing with cast-in-place anchor bolts unless noted otherwise. Provide additional reinforcing, at Contractor's expense, as needed to prevent movement of the reinforcement cage. Clear cover and epoxy coating requirements for additional reinforcement are the same as shown for the rail reinforcement. The rail reinforcing cage may be tack welded to the rail anchorage reinforcement provided the rail and anchorage reinforcement are not epoxy coated and weld locations measured along the rail are no closer than 3 ft. If epoxy coated reinforcement is required for the railing proposed to be slipformed, tie all bar intersections. Provide a wire line to maintain vertical and horizontal alignment of the slipform machine. Attach a grade line gauge or pointer to the machine so a continuous comparison can be made between the rail being placed and the established grade line. Rails or supports at the required grade are allowed instead of sensor controls. Prior to placing concrete, make one or more passes with the slipform over the rail segment to ensure proper operation and maintenance of grades and clearances. Provide slipformed rail within a vertical and horizontal alignment tolerance of +/- 1/4 in. in 10 ft. Construct rail with a smooth and uniform appearance. Consolidate concrete so it is free of honeycomb. Provide concrete with a consistency that will maintain the shape of the rail without support. Minimize starting and stopping of the slipform operation by ensuring a continuous supply of concrete.

Do not exceed the manufacturer's recommended speed for the slipform machine. If slipforming causes movement of the reinforcement such that plan clearances are not achieved, stop slipforming and take remedial action. Remove and replace unsatisfactory slipformed rail at the Contractor's expense.

Install epoxy adhesive anchorages in accordance with the manufacturer's instructions including hole size, drilling equipment and method, hole cleaning equipment and method, mixing and dispensing epoxy, and anchor insertion. Do not alter the manufacturer's mixing nozzle or dispenser. Anchorage bars or bolts must be clean and free of grease, oil, or any other foreign material. Do not weld to an anchor bar or anchor bolt that is anchored with epoxy adhesive. Do not expose rail to traffic until epoxy adhesive has cured.

Article 450.3. Construction, Section C. Tests is supplemented with the following:

The Engineer will select three anchor bars or bolts of the first day's production to be tested after the epoxy has cured. Test the bars or bolts in the presence of the Engineer in accordance with ASTM E 1512, using a restrained test, to evaluate the epoxy adhesive's bond strength. Verify that the anchor bars or bolts develop the required pullout resistance in the plans or 75 percent of the yield strength of the bars or bolts, whichever is less, without a bond failure of the epoxy. The Engineer may require additional tests during production. If any of the tests do not meet the required test load, perform corrective measures to provide adequate capacity. Repair damage from testing.

Article 450.5. Payment is voided and replaced with the following:

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Railing" of the type specified. This price will be full compensation for furnishing, preparing, and placing concrete, expansion joint material, reinforcing steel, structural steel, aluminum, cast steel, pipe, anchor bolts or bars, testing of epoxy anchors, and all other materials required in the finished railing; removal and disposal of salvageable materials; and hardware, paint and painting of metal railing, galvanizing, equipment, labor, tools, and incidentals.

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